

STARBLAZE PRIME 430

Classification **AWS A5.4 : E 430-16** **DIN EN ISO 3581-A : E 17R 12** **Werkstoff Nr: 1.4015**

Description and Application Rutile- basic type 17% Cr MMA electrode for welding of 15- 17% Cr (AISI 430). Suitable for welding ferritic martensitic chrome steels and steel castings of similar compositions. Stable and strong arc, low spatters, self-peeling slag, finely rippled weld bead. Easy striking and re-striking. To obtain suitable ductility to allow mechanical working pre heating and stress relieving treatment are required. Packed in vacuum pack system.

Base Materials

Material	Steel
1.4057	X 17 CrNi 16-2
1.4059	G X 22 Cr Ni 17
1.4510	X3 CrTi 17
----	AISI 430/430Ti

Typical weld metal Chemical Composition (%)

C	Mn	Si	S	P	Cr	Ni
0.04	0.60	0.70	0.012	0.020	17.00	0.40

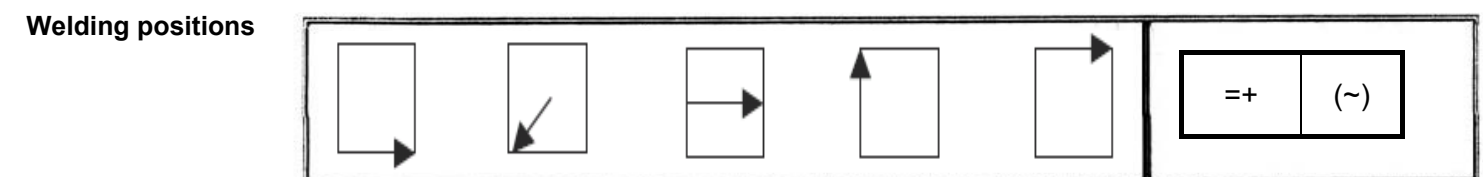
All weld metal Mechanical properties (Typical)

Heat Treatment	Yield strength R_p (N/mm ²)	Tensile Strength R_m (N/mm ²)	Elongation A_5 (%)
790°C /2hr	≥350	≥500	≥20

Amperes (A)

2.50mm	3.15mm	4.00mm
50- 80	70- 110	100- 150

Welding Instruction Pre-heating and stress relieving treatments are required and depends on the ferritic based material. Low heat input required to avoid hard and brittle martensite weld junction. Keep dry and avoid condensation. Redry electrodes at 300 – 350°C for one hour.



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(Division: StarBlaze India)

GST No.: 06AAICS2482B1ZK / Legal Metrology No.: GOI/DL/2022/4850

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